

CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A device comprising:
a network interface for coupling to a network; and
a processor coupled with the network interface, in which the processor is adapted to:
establish a VoIP connection;
place the VoIP connection on hold;
determine detect whether there is return speech from the VoIP connection that has been placed on hold; and
measure how long the detected return speech is sustained;
determine whether the detected return speech is sustained for at least a predetermined amount of time;
if so, withhold transmitting on-hold music/sound through the VoIP connection when the detected return speech is sustained for at least a predetermined amount of time[.]; and
continue transmitting on-hold music/sound through the VoIP connection when the detected return speech is not sustained for at least a predetermined amount of time.
2. (Currently Amended) The device of claim 1, in which
determining detecting is performed by interpreting a Voice Activation Detection (VAD) VAD ON/OFF event.
3. (Currently Amended) The device of claim 1, in which
the VoIP connection is over a network voice path, and
determining detecting is performed by:
monitoring the voice path for return packets; and
analyzing to determine whether the return packets encode speech.
4. (Currently Amended) The device of claim 3, wherein the predetermined period of time is equal to three seconds in which
analyzing is for speech energy that corresponds to speech sustained for a predetermined time minimum.

5. (Currently Amended) The device of claim 1, in which the processor is further adapted to:

silence-monitor to determine whether prior detected return speech has discontinued; and
if so, transmit on-hold music/sound through the VoIP connection.

6. (Currently Amended) The device of claim 5, in which silence-monitoring is performed by interpreting a Voice Activation Detection (VAD) VAD ON/OFF event.

7. (Currently Amended) The device of claim 5, in which silence-monitoring is performed by interpreting a received Silence Identification (SID) SID packet.

8. (Original) The device of claim 5, in which the VoIP connection is over a network voice path, and silence-monitoring is performed by:
monitoring the voice path for return packets; and
analyzing to determine whether the return packets encode silence.

9. (Original) The device of claim 8, in which analyzing is for speech energy that corresponds to silence sustained for a predetermined time minimum.

10. (Currently Amended) A device comprising:
means for establishing a VoIP connection;
means for placing the VoIP connection on hold;
means for determining whether there is return speech from monitoring the VoIP connection that has been placed on hold to determine, according to a Silence Identification (SID) packet, whether there is return speech; and
if so, means for withholding transmitting on-hold music/sound through the VoIP connection in response to the SID packet determination indicating that there is return speech[.]; and

means for continuing transmitting on-hold music/sound through the VoIP connection when the SID packet determination indicates that there is no return speech.

11. (Currently Amended) The device of claim 10, in which the means for determining monitoring includes means for interpreting a Voice Activation Detection (VAD) VAD ON/OFF event.

12. (Currently Amended) The device of claim 10, in which the VoIP connection is over a network voice path, and the means for determining monitoring includes[:]
~~means for monitoring the voice path for return packets; and~~
means for analyzing to determine whether the return packets encode speech.

13. (Original) The device of claim 12, in which the means for analyzing is for speech energy analyzes for speech sustained for a predetermined time minimum.

14. (Original) The device of claim 10, further comprising:
means for silence-monitoring to determine whether prior return speech has discontinued; and
if so, means for transmitting on-hold music/sound through the VoIP connection.

15. (Currently Amended) The device of claim 14, in which the means for silence-monitoring includes means for interpreting a Voice Activation Detection (VAD) VAD ON/OFF event.

16. (Currently Amended) The device of claim 14, in which the means for silence-monitoring includes means for interpreting a received Silence Identification (SID) SID packet.

17. (Original) The device of claim 14, in which
the VoIP connection is over a network voice path, and
the means for silence-monitoring includes:
means for monitoring the voice path for return packets; and
means for analyzing to determine whether the return packets encode silence.

18. (Original) The device of claim 17, in which
the means for analyzing is for speech energy analyzes for speech sustained for a
predetermined time minimum.

19. (Original) An article comprising: a storage medium, the storage medium having
instructions stored thereon, in which when the instructions are executed by at least one
device, they result in:

establishing a VoIP connection;
placing the VoIP connection on hold;
determining whether there is return speech from the VoIP connection that has been
placed on hold; and
if so, withholding transmitting on-hold music/sound through the VoIP connection.

20. (Currently Amended) The article of claim 19, in which
determining is performed by interpreting a Voice Activation Detection (VAD) ~~VAD~~
ON/OFF event.

21. (Original) The article of claim 19, in which
the VoIP connection is over a network voice path, and
determining is performed by:
monitoring the voice path for return packets; and
analyzing to determine whether the return packets encode speech.

22. (Original) The article of claim 21, in which
analyzing is for speech energy that corresponds to speech sustained for a
predetermined time minimum.

23. (Original) The article of claim 19, in which the instructions further result in:
silence-monitoring to determine whether prior return speech has discontinued; and
if so, transmitting on-hold music/sound through the VoIP connection.

24. (Currently Amended) The article of claim 23, in which
silence-monitoring is performed by interpreting a Voice Activation Detection (VAD)
VAD ON/OFF event.

25. (Currently Amended) The article of claim 23, in which
silence-monitoring is performed by interpreting a received Silence Identification
(SID) SID packet.

26. (Original) The article of claim 23, in which
the VoIP connection is over a network voice path, and
silence-monitoring is performed by:
monitoring the voice path for return packets; and
analyzing to determine whether the return packets encode silence.

27. (Original) The article of claim 26, in which
analyzing is for speech energy that corresponds to silence sustained for a
predetermined time minimum.

28. (Currently Amended) A method comprising:
establishing a VoIP connection;
placing the VoIP connection on hold;
determining detecting according to a Silence Identification (SID) packet
determination, whether there is return speech from the VoIP connection that has been placed
on hold; and
measuring how long the detected return speech is sustained;
determining whether the detected return speech is sustained for at least a
predetermined amount of time;
if so, withholding transmitting on-hold music/sound through the VoIP connection in
response to a determination that the detected return speech is sustained for at least a
predetermined amount of time[.]]; and

continuing transmitting on-hold music/sound through the VoIP connection when the detected return speech is not sustained for at least a predetermined amount of time.

29. (Currently Amended) The method of claim 28, in which determining detecting is performed by interpreting a Voice Activation Detection (VAD) VAD ON/OFF event.

30. (Currently Amended) The method of claim 28, in which the VoIP connection is over a network voice path, and determining detecting is performed by: monitoring the voice path for return packets; and analyzing to determine whether the return packets encode speech.

31. (Original) The method of claim 30, in which analyzing is for speech energy that corresponds to speech sustained for a predetermined time minimum.

32. (Currently Amended) The method of claim 28, further comprising: silence-monitoring to determine whether prior detected return speech has discontinued; and if so, transmitting on-hold music/sound through the VoIP connection.

33. (Currently Amended) The method of claim 32, in which silence-monitoring is performed by interpreting a Voice Activation Detection (VAD) VAD ON/OFF event.

34. (Currently Amended) The method of claim 32, in which silence-monitoring is performed by interpreting a received Silence Identification (SID) SID packet.

35. (Original) The method of claim 32, in which the VoIP connection is over a network voice path, and silence-monitoring is performed by: monitoring the voice path for return packets; and

analyzing to determine whether the return packets encode silence.

36. (Original) The method of claim 35, in which
analyzing is for speech energy that corresponds to silence sustained for a
predetermined time minimum.